

Product Search Data Sheet

# PRF21BC471QB5RA

In Production Recommended RoHS REACH

### Applications

| Unsuitable   | Please be sure to read and comply with     |
|--------------|--|
| Applications | these "Precautions for use."               |
|              | Consumer equipment,Industrial              |
|              | Equipment                                  |
|              | Please refer to Our Website and            |
|              | specifications, etc. for information about |
| Specific     | the performance, functions, quality,       |
| Applications | management, and safety required for        |
|              | the above applications, and use            |
|              | Products after confirming the              |
|              | performance and reliability of the actual  |
|              | Product.                                   |

## Appearance & Shape



|           | e<br>⊨⊶→     | g g      | e<br>• | 4        |        |   |
|-----------|--------------|----------|--------|----------|--------|---|
|           |              |          |        |          |        |   |
|           | -            |          |        |          |        |   |
|           | Davit Number | L        | Dimen  | sions (i |        |   |
| Part Numb |              | <u> </u> | W      | Т        | е      | g |
|           |              |          |        |          | 011-02 |   |

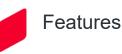
|  |          | L        | VV I     |          | е          | g        |
|--|----------|----------|----------|----------|------------|----------|
|  | PRF03_RL | 0.6±0.05 | 0.3±0.05 | 0.3±0.05 | 0.1 to 0.2 | -        |
|  | PRF15_RC | 1.0±0.05 | 0.5±0.05 | 0.5±0.05 | 0.1 to 0.4 | 0.3 min. |
|  | PRF18_RB | 1.6±0.15 | 0.8±0.15 | 0.8±0.15 | 0.1 to 0.6 | -        |
|  | PRF21_RA | 2.0±0.2  | 1.25±0.2 | 0.9±0.2  | 0.2 min.   | 0.5 min. |

Note: This datasheet may be out of date. Please download the latest datasheet of PRF21BC471QB5RA from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-sg/products/productdetail?partno=PRF21BC471QB5RA

## Packaging Information

| Packaging |                     | Standard<br>Packing<br>Quantity |  |
|-----------|---------------------|---------------------------------|--|
| RA        | 180mm Embossed Tape | 4000                            |  |



1. SMD type is helpful for miniaturizing circuits because of its small size and light weight.

2. Excellent thermal response due to small size

3. Solid-state construction provides excellent mechanical vibration and impact resistance.

- 4. Contactless operation provides noiseless operation.
- 5. Lead is not contained in the terminations.
- 6. ULcertified product. (UL1434, File No. E137188)

#### 1 of 3

#### Attention

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without advance notice. Please check with our sales representatives or product engineers before ordering.

2. This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.





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### Specifications

| Max. Voltage                                | 32V            |
|---|----------------|
| Sensing Temperature                         | 105℃           |
| Sensing Temperature<br>Tolerance            | ±5℃            |
| Measure Condition of<br>Sensing Temperature | at 4.7k ohm    |
| Resistance (25°C)                           | 470Ω           |
| Resistance Value Tolerance<br>(at 25°C)     | ±50%           |
| Operating Temperature<br>Range              | -20°C to 120°C |
| Size Code (in mm)                           | 2.0x1.25mm     |
| Size Code (in inch)                         | 0.8x0.5inch    |
| Shape                                       | SMD            |
| Mass  | 0.011g         |
| MSL   | 1              |

- Glossary of PTC thermistors
- Related documents (UL, RoHS, etc.)

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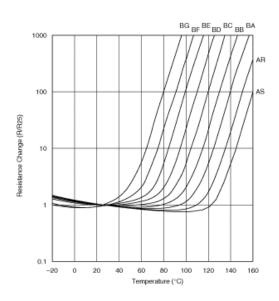


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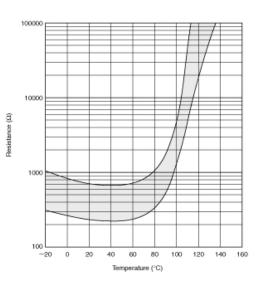
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Product Data

INNOVATOR IN ELECTRONIC



**Resistance-Temperature Characteristics** 



Resistance-Temperature Characteristics Range (Reference)

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